

Rabbit GATM Polyclonal Antibody | anti-GATM antibody

GATM Polyclonal Antibody

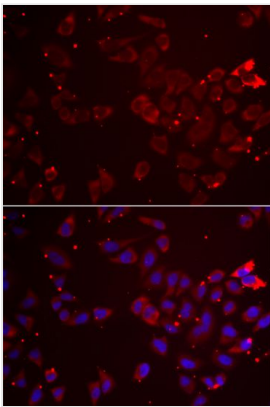
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28117	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

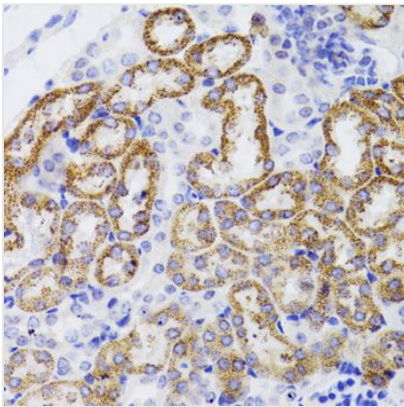
GATM; Polyclonal Antibody; GATM Polyclonal Antibody; AT; AGAT; CCDS3; anti-GATM antibody

PRODUCT SPECIFICATIONS

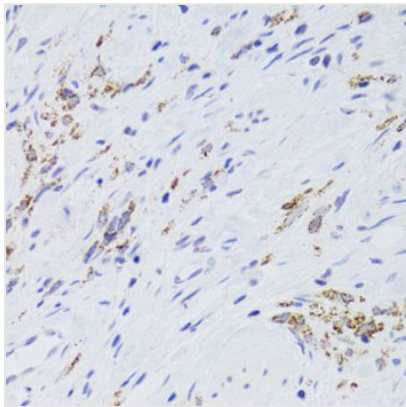
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	423
Applicable Applications for anti-GATM antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human GATM
Calculated Molecular Weight	48kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.



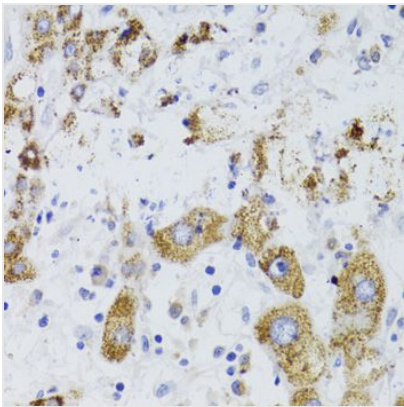
IF (Immunofluorescence)
Immunofluorescence analysis of A549 cells using GATM antibody. Blue: DAPI for nuclear staining.



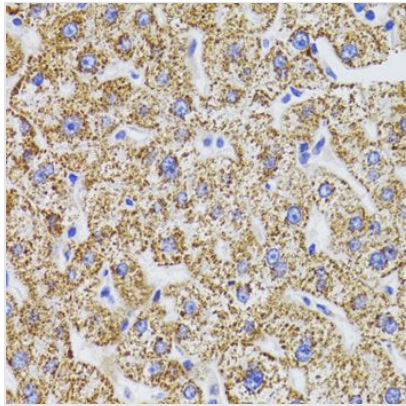
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse kidney using GATM Antibody at dilution of 1:100 (40x lens).



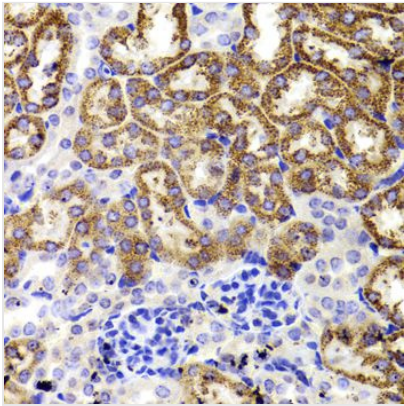
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human gastric cancer using GATM Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human liver cancer using GATM Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human liver using GATM Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse kidney using GATM Antibody at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-GATM antibody

This gene encodes a mitochondrial enzyme that belongs to the amidinotransferase family. This enzyme is involved in creatine biosynthesis, whereby it catalyzes the transfer of a guanido group from L-arginine to glycine, resulting in guanidinoacetic acid, the immediate precursor of creatine. Mutations in this gene cause arginine:glycine amidinotransferase deficiency, an inborn error of creatine synthesis characterized by mental retardation, language impairment, and behavioral disorders.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1730201
NCBI GeneID	2628
UniProt Accession #	P50440; Q53EQ4; B4DH99; B4DPI3
Molecular Weight	423
NCBI Official Full Name	Glycine amidinotransferase, mitochondrial
NCBI Official Synonym Full Names	glycine amidinotransferase (L-arginine:glycine amidinotransferase)
NCBI Official Symbol	GATM
NCBI Official Synonym Symbols	AT; AGAT; CCDS3
NCBI Protein Information	glycine amidinotransferase, mitochondrial; transamidinase
UniProt Protein Name	Glycine amidinotransferase, mitochondrial
UniProt Gene Name	GATM
UniProt Synonym Gene Names	AGAT
UniProt Entry Name	GATM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gatm-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/28117>